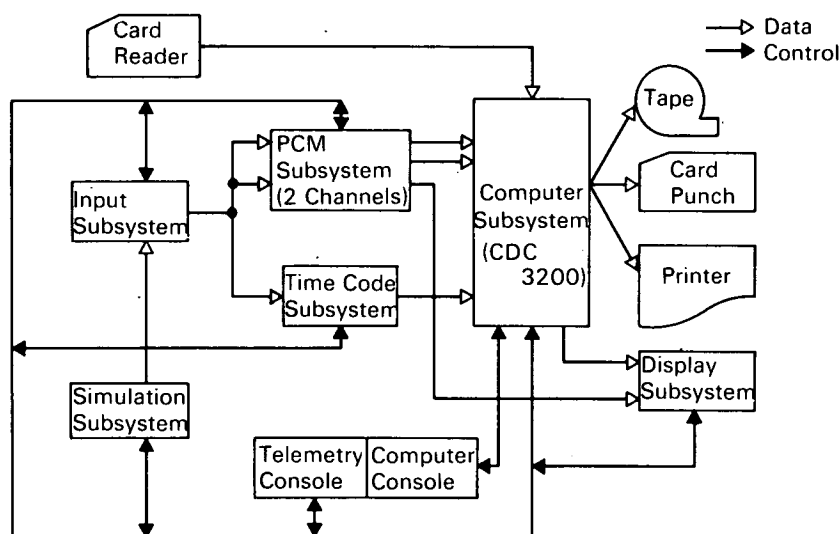


NASA TECH BRIEF



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Fully Automatic Telemetry Data Processor



The "Satellite Telemetry Automatic Reduction System" (STARS II), is a fully automatic computer-controlled telemetry data processor. The system incorporates a CDC 3200 computer as its central element, together with facilities for converting and processing telemetry data and ground station time inputs, plus a full complement of simulation equipment. STARS II maximizes data recovery, reduces turnaround time, increases flexibility, and improves operational efficiency. The system encompasses advanced techniques for computer-controlled data processing of high volume telemetry data.

The CDC 3200 general-purpose computer is the basic control element for the complement of signal conditioning, conversion, control, simulation, and computer peripheral equipment. The computer may

be used to perform both on- and off-line functions. It is provided with a 16,384-word memory, magnetic tapes, card equipment, and a high-speed line printer.

Note:

Further information concerning this innovation is presented in NASA TND-3981, "A Fully Automatic Satellite Data Processor" by Frank A. Keipert, Richard C. Lee, and Fred B. Cox, May 1967, available from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151; price \$3.00 paper copy, \$0.65 microfiche. Inquiries may also be directed to:

Technology Utilization Officer
Goddard Space Flight Center
Greenbelt, Maryland 20771
Reference: B68-10336

(continued overleaf)

Patent status:

No patent action is contemplated by NASA.

Source: Frank A. Keipert and Richard C. Lee
of Goddard Space Flight Center
and Fred B. Cox

of Beckman Instrument Company
under contract to

Goddard Space Flight Center

(GSC-10576)